

Title (en)

Master disks for producing dies, particularly for optical disks, and their method of manufacture

Title (de)

Urplatten zur Herstellung von Matrizen, insbesondere für optische Platten, und Verfahren zu deren Herstellung

Title (fr)

Disques maîtres pour la réalisation de matrices de pressage, notamment de disques optiques, et leurs procédés de fabrication

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Application

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Priority

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Abstract (en)

[origin: EP0610125A1] The invention relates to master discs for producing dies, particularly for optical discs, and to their methods of manufacture as well as to the dies obtained from these master discs and the optical discs obtained from these master discs and from these dies. The master discs according to the invention consist of a support carrying on its surface a succession of micropits which represent the information to be duplicated and consist of a hard, conducting material which reflects in the near infrared and is chosen from a nitride or a carbonitride of zirconium, of hafnium or of titanium, a hard ceramic which reflects in the near infrared and conducts only at the surface, and a hard glass which reflects in the near infrared and conducts only at the surface. These master discs find application in the field of information archiving and in the field of the manufacture of dies, especially for optical discs. <IMAGE>

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